

ATGGCTTTGG	AACAGAACCA	GTCAACAGAT	TATTATTATG	AGGAAAATGA	50
M A L E	Q N Q	S T D	Y Y Y E	E N E	
AATGAATGGC	ACTTATGACT	ACAGTCAATA	TGAACTGATC	TGTATCAAAG	100
M N G	T Y D Y	S Q Y	E L I	C I K E	
AAGATGTCAG	AGAATTTGCA	AAAGTTTTC	TCCCTGTATT	CCTCACAATA	150
D V R	E F A	K V F L	P V F	L T I	
GTTTTCGTCA	TTGGACTTGC	AGGCAATTCC	ATGGTAGTGG	CAATTTATGC	200
V F V I	G L A	G N S	M V V A	I Y A	
CTATTACAAG	AAACAGAGAA	CCAAAACAGA	TGTGTACATC	CTGAATTTGG	250
Y Y K	K Q R T	K T D	V Y I	L N L A	
CTGTAGCAGA	TTTACTCCTT	CTATTCACCTC	TGCCTTTTTG	GGCTGTTAAT	300
V A D	L L L	L F T L	P F W	A V N	
GCAGTTCATG	GGTGGGTTTT	AGGGAAAATA	ATGTGCAAAA	TAACTTCAGC	350
A V H G	W V L	G K I	M C K I	T S A	
CTTGACACA	CTAAACTTTG	TCTCTGGAAT	GCAGTTTCTG	GCTTGTATCA	400
L Y T	L N F V	S G M	Q F L	A C I S	
GCATAGACAG	ATATGTGGCA	GTAAGTAAAG	TCCCCAGCCA	ATCAGGAGTG	450
I D R	Y V A	V T K V	P S Q	S G V	
GGAAAACCAT	GCTGGATCAT	CTGTTTCTGT	GTCTGGATGG	CTGCCATCTT	500
G K P C	W I I	C F C	V W M A	A I L	
GCTGAGCATA	CCCCAGCTGG	TTTTTTTATAC	AGTAAATGAC	AATGCTAGGT	550
L S I	P Q L V	F Y T	V N D	N A R C	
GCATTCCCAT	TTTCCCCCGC	TACCTAGGAA	CATCAATGAA	AGCATTGATT	600
I P I	F P R	Y L G T	S M K	A L I	
CAAATGCTAG	AGATCTGCAT	TGGATTTGTA	GTACCCTTTC	TTATTATGGG	650
Q M L E	I C I	G F V	V P F L	I M G	
GGTGTGCTAC	TTTATCACAG	CAAGGACACT	CATGAAGATG	CCAAACATTA	700
V C Y	F I T A	R T L	M K M	P N I K	
AAATATCTCG	ACCCCTAAAA	GTTCTGCTCA	CAGTCGTTAT	AGTTTTTCATT	750
I S R	P L K	V L L T	V V I	V F I	
GTCACTCAAC	TGCCTTATAA	CATTGTCAAG	TTCTGCCGAG	CCATAGACAT	800
V T Q L	P Y N	I V K	F C R A	I D I	
CATCTACTCC	CTGATCACCA	GCTGCAACAT	GAGCAAACGC	ATGGACATCG	850
I Y S	L I T S	C N M	S K R	M D I A	
CCATCCAAGT	CACAGAAAGC	ATCGCACTCT	TTCACAGCTG	CCTCAACCCA	900
I Q V	T E S	I A L F	H S C	L N P	
ATCCTTTATG	TTTTTATGGG	AGCATCTTTC	AAAAACTACG	TTATGAAAGT	950
I L Y V	F M G	A S F	K N Y V	M K V	
GGCCAAGAAA	TATGGGTCCT	GGAGAAGACA	GAGACAAAGT	GTGGAGGAGT	1000
A K K	Y G S W	R R Q	R Q S	V E E F	
TTCCTTTTGA	TTCTGAGGGT	CCTACAGAGC	CAACCAGTAC	TTTGTAGCATT	1050
P F D	S E G	P T E P	T S T	F S I	
TAAAGGTAAA	ACTGCTCTGC	CTTTTGCTTG	GATACATATG	AATGATGCTT	1100
- R - N	C S A	F C L	D T Y E	- C F	
TCCCTCAAAA	TAAAACATCT	GCCTTATTCT	GAAAAAAM	AAAAAAM	1147
P L K	- N I C	L I L	K K K	K K	

FIG. 1

CCX-CKR	MALEQNQSTDY ^Y YE--ENEMNGTY-----DYSQYELIC ^I IK	33
CCR9	MTPTDFTSPIPNMADDY ^G -SESTSSM-EDYVN----FNFTDF--YCEK	
CCR7	MDLGKPMKSVLVVALLVIFQVCLCQDEVTD ^D YIGDNTTVDYTLFESLC ^S SK	
CCR6	MSGESMNFSDVFDSS ^E DYFVS-----VNTSY ^S YS----VDSEML--LC ^S SL	
STRL33	MAEH ^D YHEDY ^G FS-----SF-NDSSQEEHQDF--L---	

TM1

CCX-CKR	EDVREFAKVFL ^E EVFLTIVFVIGLAGNSMVAIVAYYKKQRTKTDVY ^I LN ^L	83
CCR9	NNVROFASHFL ^E PLYWLVEIVGALGNSLVILVWYCTRVKTM ^D MFLL ^N L	
CCR7	KDVRNEKAWFL ^E PMYSIIICFVGILGNGLVVLTY ^I YFKRLKTM ^D TL ^I YLN ^L	
CCR6	QEVROFSRL ^E FVPIAYSLICV ^E FGILGNILV ^I TFAFYKKARSMTDVY ^I LN ^M	
STRL33	----QESKVEL ^E PCMYLV ^E FCV ^E CGV ^E GN ^S SLMLVISIFV ^H KLQSLTDV ^I FLV ^N L	

TM2

TM3

CCX-CKR	AMADLL ^L FTLPFWAV-NAVHGV ^L GKIMCKITSALY ^T LN ^E VSGM ^Q FL ^I AC	132
CCR9	ATADLL ^L FLVTL ^L PFWAIA-AADQWK ^F QTHMCKVNSMYKMNFY ^S CVLLIM ^C	
CCR7	AVADIL ^L FLTL ^L PFWAYS-AAKSW ^V FGVHFC ^L LIFAIM ^K MSFFSGMLIL ^L LC	
CCR6	ATADIL ^L FLVTL ^L PFWAVSHATGAW ^V FSNATCKLLKGIMAIN ^F NCCGMLIL ^L TC	
STRL33	PLADIV ^F VCTL ^L PFWAYA-GIHEW ^V FGV ^M CKSLLGI ^T IN ^E YTSMLIL ^L TC	

TM4

CCX-CKR	ISIDRYVA ^V TK-VPSQSGV ^G KP---CWII ^C FCVWMAAILLS ^I HQLV ^F YTV	178
CCR9	ISMDRYIAIAQAMRAHTWREK ^R LLYSKMV ^C FTI ^W VLAAL ^C IHEILYS ^Q I	
CCR7	ISIDRYVAIVQAVSAHRHRARVLLISKLS ^C VGSAILA ^F VL ^S IHELLYS ^D L	
CCR6	ISMDRYIAIVQATKSFR ^L RSRTLPRTKII ^C LVVWGLSVI ^I SSSTFVFN ^Q K	
STRL33	ITVD ^H FIVVVKATKAYNQAK ^R MTWGKVTSL ^L IWVISLLV ^S LEQIIYGN ^V	

TM5

CCX-CKR	NDNAR---CIPIFPRY-LGTSMKALIQ ^M LEICIGFV ^V FLIM ^G VCY ^F ITA	224
CCR9	KEESGIAIC ^T MTVYPS-DESK ^L KSAVLT ^L KVILGFF ^L PFVVMACCY ^T IIII	
CCR7	QRSSSEQAMRCSLIT-EHVEAF-ITIQVAQMVIG ^F LVPL ^L LAMSF ^C YL ^V II	
CCR6	YNTQGS ^D VCEPKYQTVSEPIRW ^K LLMLG ^L ELLFG ^F FIPLMF ^M IFCY ^T FI ^V	
STRL33	FNLDKL-IC--GYH--DEAIS--TVVLATQMTL ^G EF ^L PLL ^T MT ^I VCYS ^V II	

TM6

CCX-CKR	RTL ^M KMP ^N IKISR ^L FLKVLL ^T VIV ^I FI ^V IT ^I Q ^L LPY ^N I ^V KFCRAIDIIYS ^L ITS	274
CCR9	HTLIQAKKSSKHKAL ^K V ^T IT ^I VL ^T VFVLS ^Q FPY ^N CILLVQTIDAYAM ^F ISN	
CCR7	RTL ^L QARN ^F ERNKA ^I K ^V IIAVV ^V FI ^V F ^L PY ^N GV ^V LAQTVANFN ^I TSST	
CCR6	KTLVQAQNSKRHKAI ^R MI ^I AVVL ^V FLAC ^Q IPHN ^M ULLV-TAANLGKMN ^R S	
STRL33	KTL ^L HAGGFQK ^H RS ^L K ^T IFLVMAV ^L LLTOM ^P EN ^L MK ^F FIRSTH-----WE	

FIG. 2A

TM7

CCX-CKR	CNMSKRM D IAIQVTE S TALFHSCLNEILYVEMGASFKNYVMK-----V	317
CCR9	CAVSTINIDICFQVTQTIAFFHSCLNEVL Y VEVGERFRDLVKITLKNLGC	
CCR7	CELSKQLN I AYDV T YSLACVRCV N FFLYAFIGVKFRNDIFKLFKDLGCL	
CCR6	CQSEK L IGYTK T IVTEVLAF L HCCLNEVL Y AFIGQKFRNYFLKILKDLWCV	
STRL33	YYAMTSFHYTIMVTEATAYLRA C LNEVL Y AFVSLKFRKNFWKL V KDIGCL	

CCX-CKR	AKK Y --GSWRRQRQSV E FFPFDSEGP--TEPT S TE S I	350
CCR9	SQA-QWVSFTR----REGSLK-LSSMLLETTSGALSL	
CCR7	SQE-QLRQWSS----CRHIRR-SSMSVEAET T TFSP	
CCR6	RRK Y KSSGFSCAGRYSENISRQTSETADNDNAS S FTM	
STRL33	P-- Y --LGVSHQWKSS E DN S KTFSASHNVEAT S MEQL	

FIG. 2A
(CONTINUED)

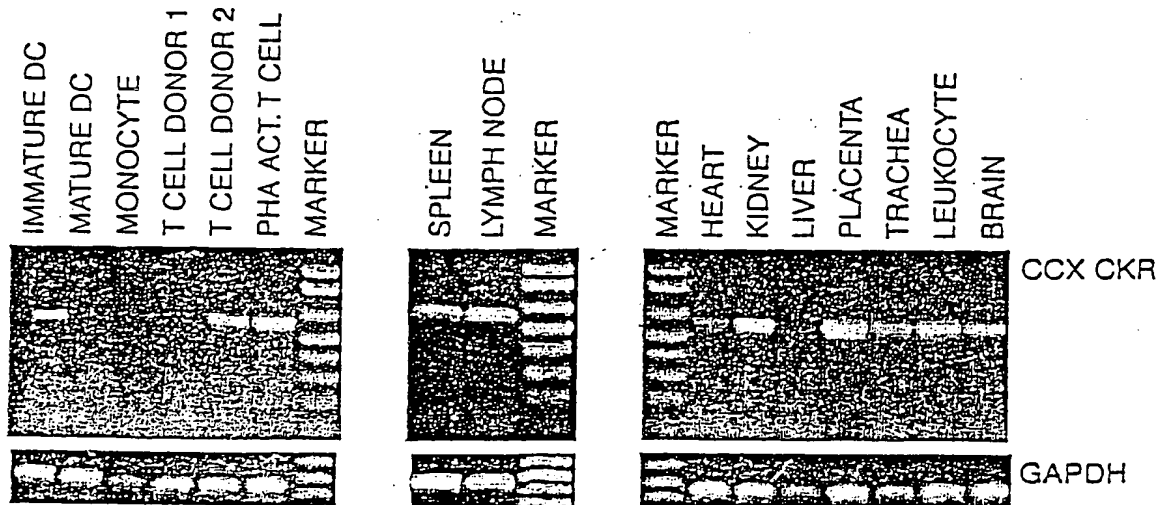


FIG. 2B

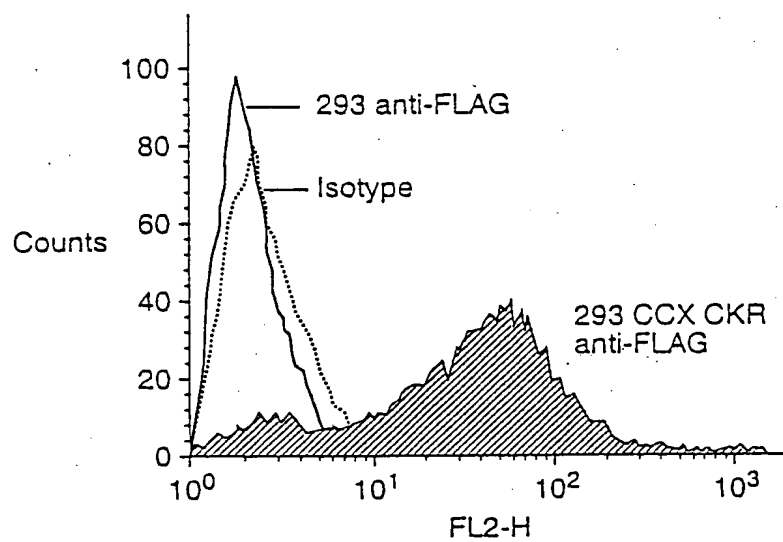


FIG. 2C

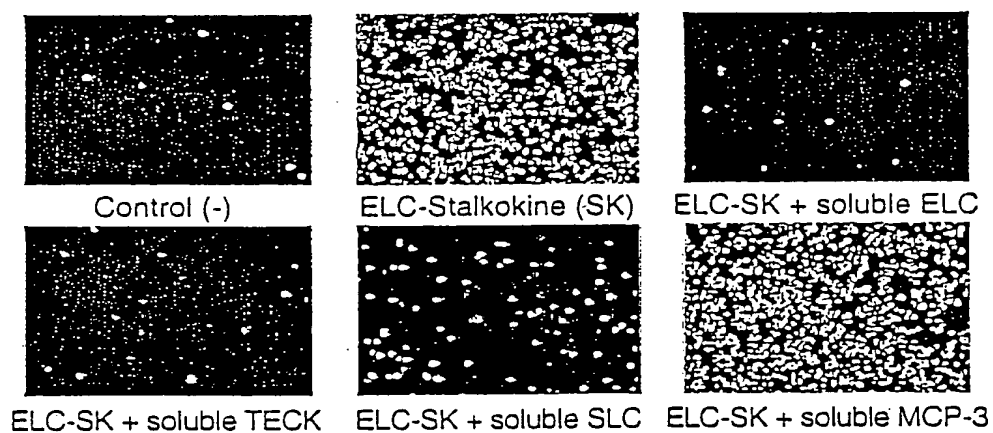


FIG. 3A

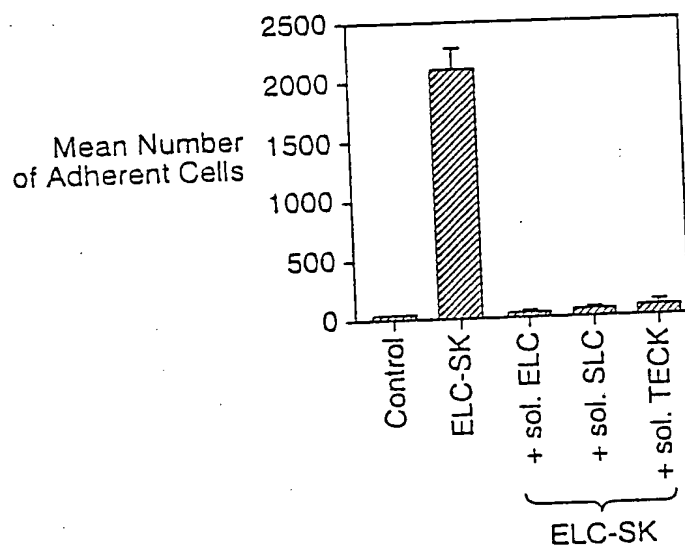


FIG. 3B

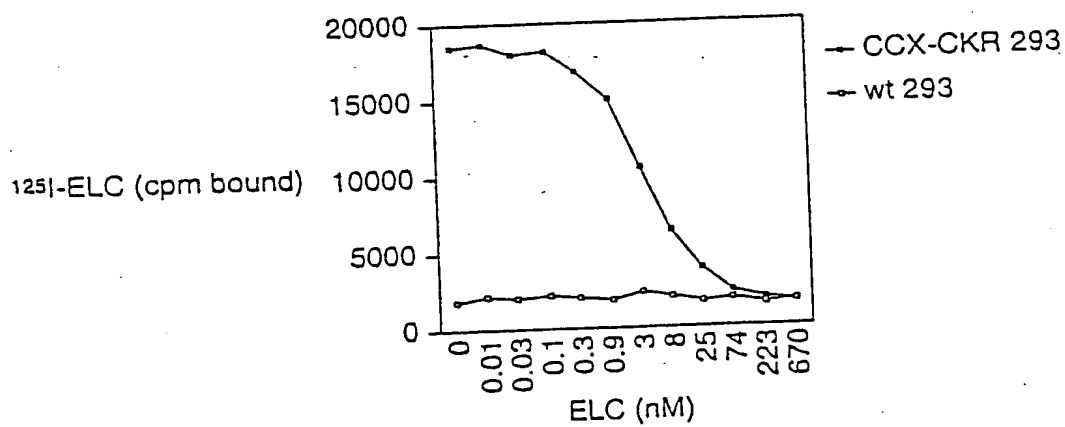


FIG. 3C

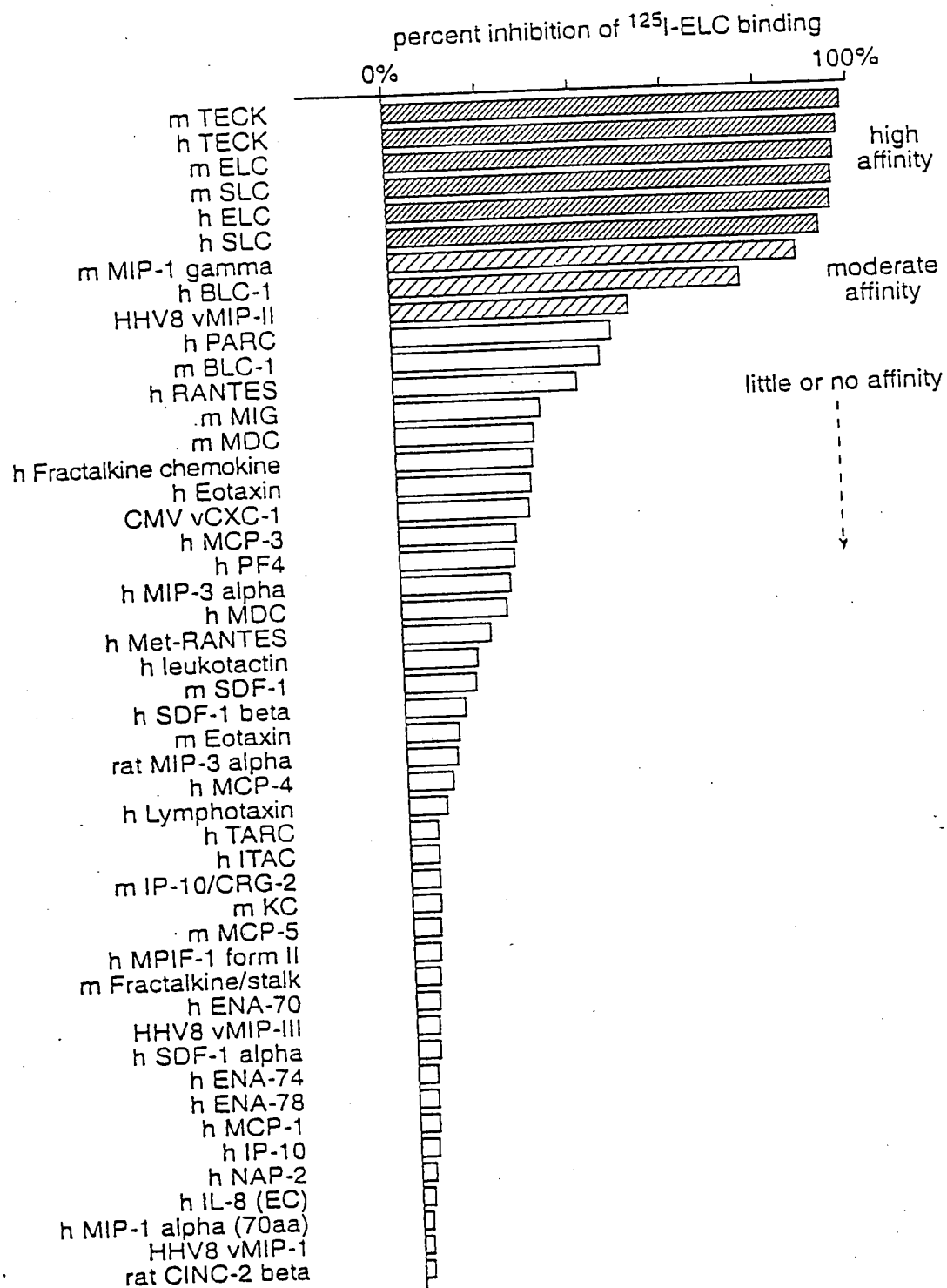


FIG. 4A

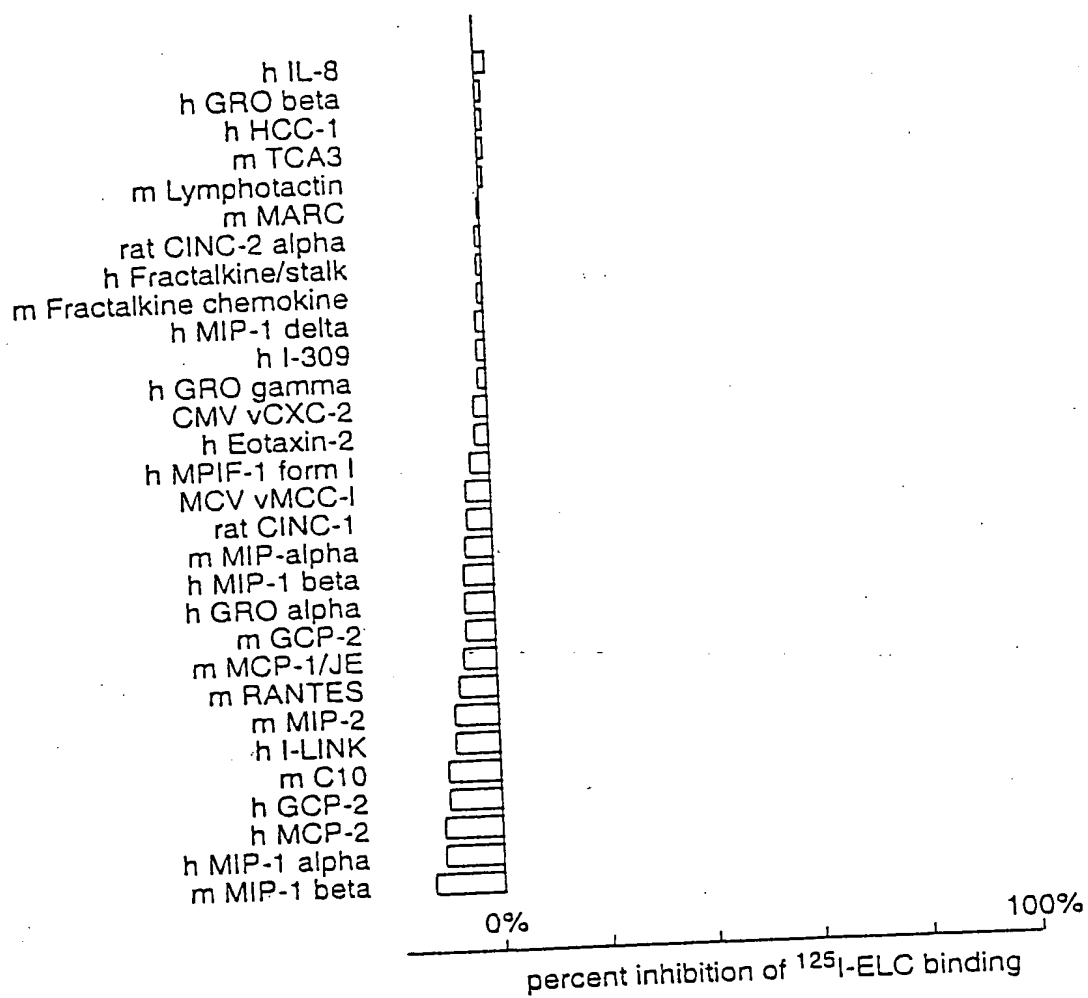
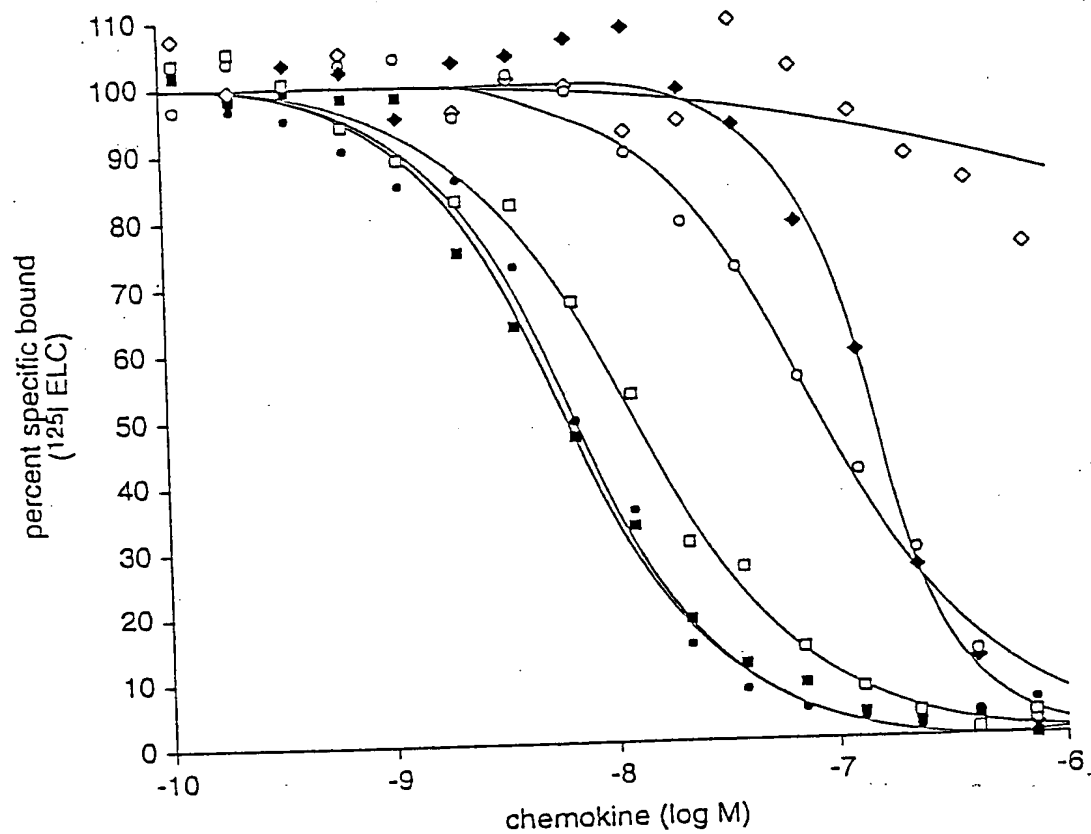


FIG. 4A
(CONTINUED)



human chemokines		murine chemokines	
■ h ELC	IC-50 6 nM	m ELC	IC-50 1 nM
□ h SLC	12 nM	m SLC	4 nM
• h TECK	7 nM	m TECK	2 nM
◆ h BLC-1	140 nM	m MIP-1γ	70 nM
○ HHV8 vMIP-II	90 nM		
◇ h MCP-3	>2000 nM		

FIG. 4B

5'upstream CCXCKR	ATGCAGCATC	TCGTTTATAA	AAGGCAACTA	GTGAAATTTA	GTGCAAATGC	50
5'upstream CCXCKR	TGAGAGAATT	TATTTAACTT	ATTTAAATTA	AATTTATATA	TAACATCAAA	100
5'upstream CCXCKR	ATAAAAAATA	AATTTAATTT	AAATAAACCA	AGTAATTTCG	TATTTTCGTT	150
5'upstream CCXCKR	TTTATTCAAT	TTGTTGTAGA	TATACTTTTA	CGATTCACAA	AATTATGTAT	200
5'upstream CCXCKR	GTAAAGATTA	TAACACTATT	TATTCTTTTT	AGTTAAAATC	TAATTAAATT	250
5'upstream CCXCKR	TTCATATTTT	AAAAATCATT	TTTACATAAA	AGTCTTCACT	TTTATTTAGG	300
5'upstream CCXCKR	ATTTAATGAT	TAAGAAAATT	CTCCAGGGCA	TTATGTTTAT	TGTCCTGTTC	350
5'upstream CCXCKR	AAATCCAAGC	TCTTTCACAC	AGAATTGTAC	AAGCAAAGTT	TGAGTAACTA	400
5'upstream CCXCKR	ATCTTGGGGT	CATATTCCAA	TGTGGCTCCC	ATTAAAGCAT	TTCAAAGAGT	450
5'upstream CCXCKR	GCTAGATTCA	GGCTCACATA	TGTTACAGCA	ACAGGCTATA	CTCTAGGGAA	500
5'upstream CCXCKR	AGAACAAAAC	AGCTTGATAG	AACTGIGTG	CTTTAAGCA	TATTTAGACA	550
5'upstream CCXCKR	AATATCTATC	CTGTATTCTC	TTTGCCATCT	AGATTGGAGC	CATGGCTTTG	600
					ATGGCTTTG	9
5'upstream CCXCKR	GAACAGAACC	GTCAACAGA	TTATTATTAT	GAGGAGAAAT	GAAATGAATG	649
	GAACAGAACC	AGTCAACAGA	TTATTATTAT	GAGGA-AAAA	GAAATGAATG	58
5'upstream CCXCKR	GC-CTCATGA	CTACAGTCAG	TATGAACTGA	TCTGT-----	TC	685.
	GCACTTATGA	CTACAGTCFA	TATGAACTGA	TCTGTATCAA	AGAAGATGTC	108
5'upstream CCXCKR	AGAGAAAGAGA	CAGAGGATAT	GC-ACAGGGT	TGCTCCCTGT	ATTGCTCACC	734
	AGAGAA-----	TTT GCFAAGTTT	TCCTCCCTGT	ATTCTCACA		147
5'upstream CCXCKR	ATAG-----	-----	-----	AG-----	-----	740
	ATAGTTTTCG	TCATTGGACT	TGCAGGCAAT	TCCATGGTAG	TGGCAATTTA	197
5'upstream CCXCKR	-----	-----	-----	-----	-----	740
	TGCCTATTAC	AAGAAACAGA	GAACCAAAC	AGATGTGTAC	ATCCTGAATT	247
5'upstream CCXCKR	-----	-----	-----	-----	-----	740
	TGGCTGTAGC	AGATTTACTC	CTTCTATTCA	CTCTGCCTTT	TTGGGCTGTT	297
5'upstream CCXCKR	-----	-----	-----	-----	-----	740
	AATGCAGTTC	ATGGGTGGGT	TTTAGGGAAA	ATAATGTGCA	AAATAACTTC	347

FIG. 5

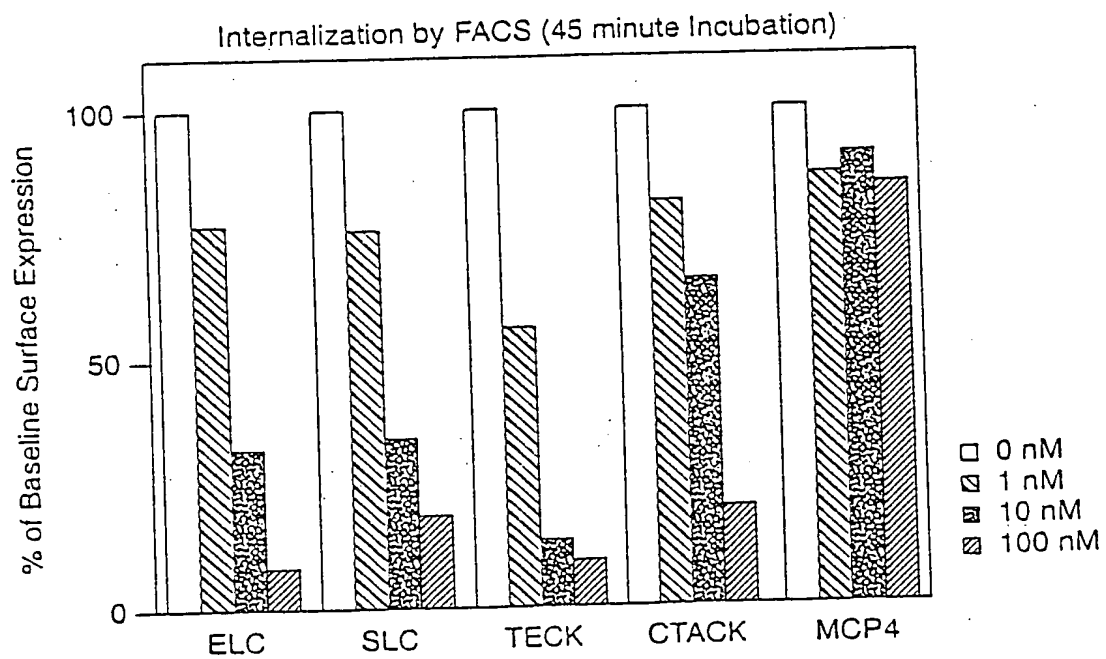


FIG. 6A

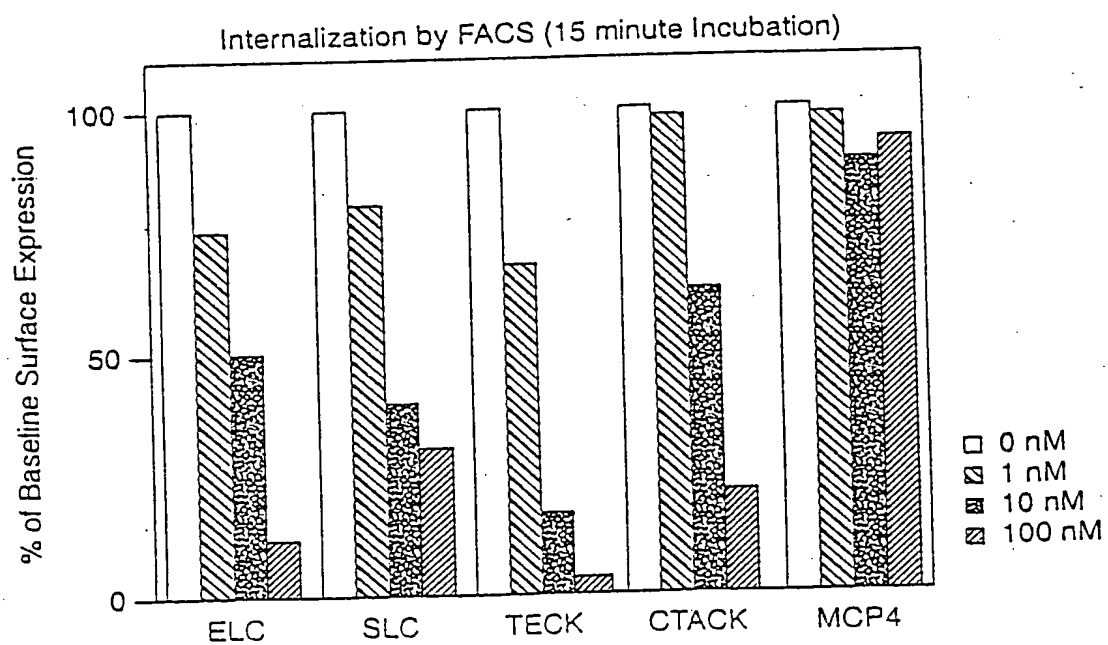


FIG. 6B